

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

10/450,152

INTERNATIONAL APPLICATION NO.  
PCT/GB2003/005492INTERNATIONAL FILING DATE  
17 December 2003PRIORITY DATE CLAIMED  
21 December 2002

## TITLE OF INVENTION

ROTARY STIRRING DEVICE FOR TREATING MOLTEN METAL

COPY

## APPLICANT(S) FOR DO/EO/US

SCHMEISSER

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The U.S. has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)):
  - a.  is attached hereto (      pages specification, claims & abstract (      claims),      sheets drawings).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))
  - a.  is attached hereto (      pages specification, claims & abstract (      claims),      sheets drawings,      page Certificate of Translation).
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has **NOT** expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. a.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
  - b.  Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (      page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 To 20 below concern document(s) or information included:

11.  An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. a.  A **FIRST** preliminary amendment.
- b.  A **SECOND** or **SUBSEQUENT** preliminary amendment.
14.  An Application Data Sheet under 37 C.F.R. § 1.76.
15.  A substitute specification.
16.  A change of power of attorney and/or address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items or information. Response; Exec. Exclusive Substitute Power of Attorney; Identification of Practitioners to be recognized

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/450,152		INTERNATIONAL APPLICATION NO. PCT/GB2003/005492		ATTORNEY'S DOCKET NUMBER 45-316																									
<input checked="" type="checkbox"/> The following fees are submitted:																													
<b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b>																													
21. <input type="checkbox"/> Basic national fee .....		\$300.00 (1631)/\$150.00 (2631)		\$	0.00																								
22. <input type="checkbox"/> Examination Fee.....		\$0 (1643/2643)		\$	0.00																								
		\$200.00 (1633)/\$100.00 (2633)		\$	0.00																								
23. <input type="checkbox"/> Search Fee .....		\$0 (1640/2640)		\$	0.00																								
		\$100 (1641)/\$50 (2641)		\$	0.00																								
		\$400 (1642)/\$200 (2642)		\$	0.00																								
		\$500.00 (1632)/\$250.00 (2632)		\$	0.00																								
<b>TOTAL OF ABOVE CALCULATIONS</b>																													
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																													
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE																									
26 -100	0	/50 =	0.00	\$0.00 (1681)	\$ 0.00																								
\$0.00 (2681)																													
Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).																													
<table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th># EXTRA</th> <th colspan="3">RATE</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>22</td> <td>minus 22 =</td> <td>0 X</td> <td>\$50.00 (1615)/</td> <td>\$25.00 (2615)</td> </tr> <tr> <td>Independent Claims</td> <td>2</td> <td>minus 3 =</td> <td>0 X</td> <td>\$200.00 (1614)</td> <td>\$100.00 (2614)</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIMS(S) (if applicable)</td> <td colspan="3">\$360.00 (1616)/\$180.00 (2616)</td> </tr> </tbody> </table>						CLAIMS	NUMBER FILED	# EXTRA	RATE			Total Claims	22	minus 22 =	0 X	\$50.00 (1615)/	\$25.00 (2615)	Independent Claims	2	minus 3 =	0 X	\$200.00 (1614)	\$100.00 (2614)	MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			\$360.00 (1616)/\$180.00 (2616)		
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MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			\$360.00 (1616)/\$180.00 (2616)																										
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)																													
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.																													
Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)). + 0.00																													
<b>TOTAL NATIONAL FEE = \$ 0.00</b>																													
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property + \$ 0.00																													
Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453) \$ 0.00																													
<b>TOTAL FEES ENCLOSED = \$ 0.00</b>																													
Amount to be refunded: \$																													
Amount to be Charged: \$																													
U.S. Application No. 10/450,152; Atty Docket No. 45-316																													

a.  A check in the amount of \$0.00 to cover the above fees is enclosed.

b.  Please charge my Deposit Account No. 14-1140 in the amount of \$\_\_\_\_\_ to cover the above fees.  
A duplicate copy of this form is enclosed.

c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.

d.  **CREDIT CARD PAYMENT FORM ATTACHED.**

e.  The entire content of International Application No. PCT/GB2003/005492 and any U.S. and foreign application(s) corresponding thereto, and 0229871.9, referred to in this application is/are hereby incorporated by reference in this application.

**NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.**

**CORRESPONDENCE ADDRESS**

Direct all correspondence to:

Customer Number:

**23117**

*Type Customer Number here*

Telephone: (703) 816-4000

LCM:lfb

*[Handwritten signature]*

**COPY**

<b>Leonard C. Mitchard</b>	
NAME	
<b>29,009</b>	<b>January 25, 2006</b>
REGISTRATION NUMBER	Date

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

SCHMEISSER

Atty. Ref.: 45-316; Confirmation No. 6603

Appl. No. 10/450,152

TC/A.U. Unassigned

Filed: June 21, 2005

Examiner: Unassigned

For: ROTARY STIRRING DEVICE FOR TREATING MOLTEN METAL

\* \* \* \* \*

January 25, 2006

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

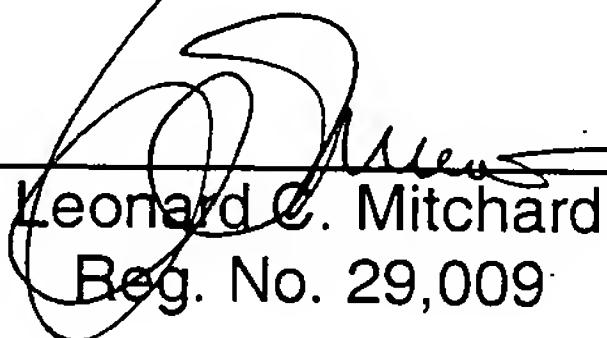
**RESPONSE**

In response to the Notification of Missing Requirements mailed December 12, 2005, attached is the executed Declaration for this application. The underlying PCT International Application is identified on the declaration as "GB2003/005492", filed December 17, 2003.

Respectfully submitted,

**NIXON & VANDERHYÉ P.C.**

By: \_\_\_\_\_

  
Leonard C. Mitchard  
Reg. No. 29,009

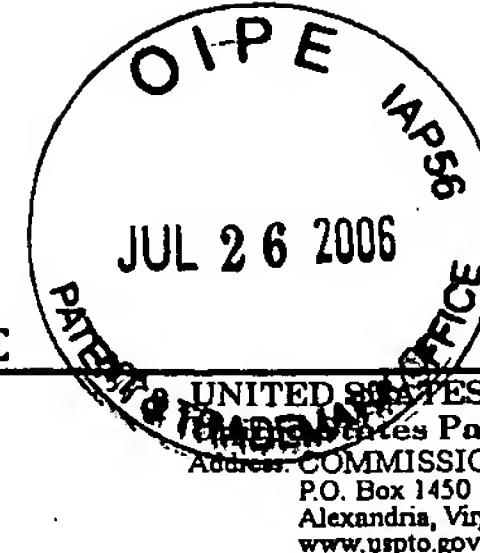
LCM:lfm  
901 North Glebe Road, 11th Floor  
Arlington, VA 22203-1808  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100

LCM

45-316



## UNITED STATES PATENT AND TRADEMARK OFFICE



UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/540,152	Dirk Schmeisser	45-316
INTERNATIONAL APPLICATION NO.		
PCT/GB03/05492		
I.A. FILING DATE	PRIORITY DATE	
12/17/2003	12/21/2002	
DOCKETED		
ATT/MATTER #	45-316	
FILE DATE	12/12/05	
FILE DATE	Feb 12, 2006	
FINAL DEADLINE July 12, 2006		
DOCKETED BY BAG/11K		

CONFIRMATION NO. 6603  
371 FORMALITIES LETTER



\*OC000000017630885\*

Date Mailed: 12/12/2005

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/21/2005
- Copy of the International Search Report filed on 06/21/2005
- Preliminary Amendments filed on 06/21/2005
- Information Disclosure Statements filed on 06/21/2005
- Request for Immediate Examination filed on 06/21/2005
- U.S. Basic National Fees filed on 06/21/2005
- Priority Documents filed on 06/21/2005

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

LAMONT M HUNTER

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Telephone: (703) 308-9140 EXT 201

**PART 1 - ATTORNEY/APPLICANT COPY**

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/540,152	PCT/GB03/05492	45-316

FORM PCT/DO/EO/905 (371 Formalities Notice)